#### FIG. 1

peptide selection

1

peptide optimization

1

formation of Fc-peptide DNA construct

T

insertion of construct into expression vector

l

transfection of host cell with vector

↓

expression of vector in host cell

1

Fc multimer formation in host cell

T

isolation of Fc multimer from host cell-

FIG. 3A

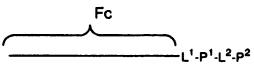


FIG. 3B

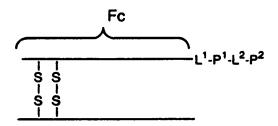
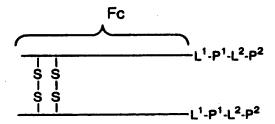
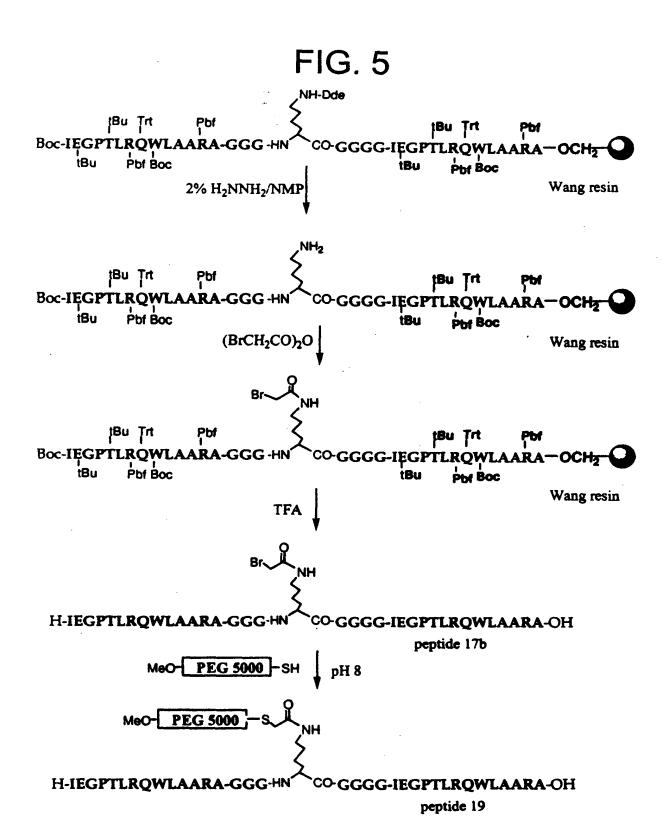


FIG. 3C



# FIG. 4

	1	ATO	GGAG	CAA	AACI	CAC	CACA	ATGI	rcci	ACC	rtg:	rcci	AGC:	rcc	<b>GA</b>	ACTO	CT	GGG	GG/	CCC	TCA	
	•	TAC	CTC	GTT1	rtga	AGTO	STG1	CACA	\GG1	rggi	AAC	AGG'	rcg	AGG	CT	rgac	GAG	ccc	cci	rggc	AGT	60
a		M	D	ĸ	T	н	T	C	P	P	С	P	A	P	E	L	L	G	G	P	S	•
	61	GTC	CTTC	CTC	TTC	ccc	CCA	AAA		CAA				CAT	SAT	CTCC	CGG	ACC	CC	GAC	GTC	120
		CAC	GAAC	GAC	GAAC	3GGC	GGI	TTT?	rgg(	GTTC	CTC	STG	GGA(	GTA(	CTAC	GAGO	GCC	TGC	GG?	CTC	CAG	120
<b>a</b>		V	F	L	F	P	P	K	P	K	D	T	L	M	I	s	R	T	P	E	V	-
	121		ATGO	CGT	GTC +	GTC	GAC	GTG		CCAC					GT(	CAAC	TTC	CAAC	TG	TAC	GTG +	180
		TGT	raco	CAC	CAC	CAC	CTC	CAC	TC	<b>GT</b> (	GCT'	CTC	GGZ	ACTO	CAC	STTC	CAAC	TTC	GAC	CATO	CAC	
a		T	С	. <b>V</b>	V	V	D	V	S	H	E	D	P	E	V	K	F	N	W	Y	V	•
	181	GAG	CGGC	CGT	GAC	GTO	CAT	raan +-	rgc	CAA	GAC	AAA(	GCC(	GCG	GA(	GAC	CAC	TAC	AAC	AGC	CACG	240
		CTC	3CC(	CAC	CTC	CAC	CGTA	\TTA	\CG(	GTT	CTG:	rtt(	CGG	CGC	CTC	CTC	GT	CAT	TT(	STC	STGC	
<b>a</b>		D	G	V	E	V	H	N	A	K	T	K	P	R	E	E	Q	Y	N	S	T	•
	241	TAC	CG1	rgte	GTC	AGC	GTC							GGA			GAA?	rgg(	CAA	GAC	STAC	300
		ATO	3GC I	ACAC	CAC	STC	CAC	GAC	TG	GCA(	<b>GGA</b> (	CGT	GGTY	CCT	GAC	CGAC	CTT	ACC	İTTC	CTC	CATG	
a.		Y.	R	V	V	S	V	L	T	V	L	H	Q	D	W	L	N	G	K	E	Y	•
	301	AAC	GTG	CAAC	GTC +	CTC	CAAC			CT					GA(	GAA	AAC	CATO	CTC	CAA	AGCC +	360
		TTC	CAC	<b>GTT</b> (	CCAC	GAGC	STTC	3TTI	rcg(	GGA(	GGG'	rcg	GGG	GTA(	CT	CTT!	rtg(	GTA(	GAG(	GTT?	rcgg	
a		K	С	K	V	s	N	K	A	L	₽	A	P	I	E	K	T	I	S	K	A	-
	361	• •			+			- + -				<b>-</b>			-+-			+		·	GACC	420
		TTT	rcco	CGT	CGGC	GC?	rcti	rggi	TOT(	CCA		GTG(	GGA(	CGG		_		CT		CGAC	CTGG	
a		K	G	Q	P	R	E	P	Q	V	Y	T	L	P	P	S	R	D	E	L	T 	•
	421				-+-	• • • •	• • •	+ -			• • •	+			+-			+		• • •	CGTG	480
	٠			GT(	CAC		3GAC	CTG(						_		_		_	_	3CG(	GCAC	
a		K	N	Q -	V -5-2-2	s	L	T	C	L	V	K	G ana	F	Y	P	S 2001	D DCC	I	A Com	V 3030	•
	481				-+			+ -				<b>+</b>			-+-			+			GGAC	540
																					D D	
a								_													GCAG	
	541		<b></b> .		-+-			+ -				+			-+-			+			+	600
_																					Q Q	
a																					GAAG	
	601				-+-			+ -				+			-+-			+			CTTC	660
a																					ĸ	-
<b>→</b>		AG	CCT	CTC	CCT	GTC	rcc	GG:	raa.	A												
	661				·+·			+		-	684											



### FIG. 6

peptide 20

### FIG. 7

	XbaI	
1	TCTAGATTTGTTTTAACTAATTAAAGGAGGAATAACATATGGACAAAACTCACACATGTC	60
	AGATCTAAACAAAATTGATTAATTTCCTCCTTATTGTATACCTGTTTTTGAGTGTGTACAG M D K T H T C P	•
61	CACCTTGTCCAGCTCCGGAACTCCTGGGGGGACCGTCAGTCTTCCTCTTCCCCCCAAAAC	120
01	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
121	CCAAGGACACCCTCATGATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGTGGACGTGA	100
121	GGTTCCTGTGGGAGTACTAGAGGGCCTGGGGACTCCAGTGTACGCACCACCACCACCTGCACT K D T L M I S R T P E V T C V V V D V S	
181	GCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGCGTGGAGGTGCATAATG	240
	CGGTGCTTCTGGGACTCCAGTTCAAGTTGACCATGCACCTGCCGCACCTCCACGTATTAC H E D P E V K F N W Y V D G V E V H N A	
241	CCAAGACAAAGCCGCGGGAGGAGCAGTACAACAGCACGTACCGTGTGGTCAGCGTCCTCA	300
	GGTTCTGTTTCGGCGCCCTCCTCGTCATGTTGTCGTGCATGGCACACCAGTCGCAGGAGT K T K P R E E Q Y N S T Y R V V S V L T	•
301	CCGTCCTGCACCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAG	360
	GGCAGGACGTGGTCCTGACCGACTTACCGTTCCTCATGTTCACGTTCCAGAGGTTGTTTC V L H Q D W L N G K E Y K C K V S N K A	
361	CCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAGCCCCGAGAACCAC	420
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
421	AGGTGTACACCCTGCCCCCATCCCGGGATGAGCTGACCAAGAACCAGGTCAGCCTGACCT	480
421	TCCACATGTGGGACGGGGTAGGGCCCTACTCGACTGGTTCTTGGTCCAGTCGGACTGGAVYTLPPSRDELTKNQVSLTC	
481	GCCTGGTCAAAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGGCAGC	540
	CGGACCAGTTTCCGAAGATAGGGTCGCTGTAGCGGCACCTCACCCTCTCGTTACCCGTCG L V K G F Y P S D I A V E W E S N G Q P	-
541	CGGAGAACAACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGCTCCTTCTTCCTCT	600
	GCCTCTTGTTGATGTTCTGGTGCGGAGGGCACGACCTGAGGCTGCCGAGGAAGAAGGAGA E N N Y K T T P P V L D S D G S F F L Y	•
601	ACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCATGCTCCG	660
	TGTCGTTCGAGTGCACCTGTTCTCGTCCACCGTCGTCCCCTTGCAGAAGAGTACGAGGCSKLTVDKKSRWQQGNVFSCSV	•
661	TGATGCATGAGGCTCTGCACAACCACTACACGCAGAAGAGCCTCTCCCTGTCTCCGGGTA	720
	ACTACGTACTCCGAGACGTGTTGGTGATGTGCGTCTTCTCGGAGAGGGACAGAGGCCCAT M H E A L H N H Y T Q K S L S L S P G K	
721	AAGGTGGAGGTGGTATCGAAGGTCCGACTCTGCGTCAGTGGCTGGC	780
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
	BamHİ 	

AATCTCGAGGATCC
781 ------ 794
TTAGAGCTCCTAGG

#### FIG. 8

	Хb	aI								ı	. •	<b>-</b>	•								
	1	TCTAG																		TGTC	60
2	_	AGATO												ATA	CCT	GTT.	rtg/	AGTO	STGT		
c	61	GTGGA		· + · IGG1	rcga		CTI	'G <b>A</b> G	GAC	CCC	. + CCI	GGC	AG'	+ TCA(	 Gaa	GGA	GAA(	GGG	GGT	• • • +	
3		GGTTC K	CTC	TGC	GAC	TAC	TAG	AGC	GCC	TG	- + GGGA	CTC	CA	+ GTG'	TAC	GCA	CCA	+ CCA	CTC	· <b>+</b>	
c	181	GCCAC CGGTC H	CTI	CTC	GGJ	ACTO	CAC	TTC	CAAC	TT	GACC	ATC	CA	··+	 GCC	 GCA	CCT	+	CGTA	+	
c	241	GGTTC K	TG	TTC	GGG	GCC	CTC	CTC	CGT	CAT	GTTC	STC	TG	··+ Cat	 GGC		CCA	+ · · · GTC	GCAC	+	
c	301	CCGTC GGCAC V	GAC	CGT	GT	CTC	ACC	GAC	CTT	ACC	GTTC	CTC	·Λ	+ GTT	CAC	GTT	CCA	+ Gag	GTTC	+	
c	361	GGGAG	GG1	rcco	GGG	STAC	CTC	TT	rtgo	GTA	-+-	STT	rcc	- · + GTT	TCC	CGT	 CGG	GGC	TCT	+	
c	421	AGGTO TCCAC V	CATO	+ 3TG(	GGAG	CGG/	GG1	rag(	 GGC	CCT.	ACTO	CGAC	 CTG	GTT	CTT	GGT	CCA	+ GTC	GGAG	+	
c	481	GCCTC CGGAC L	CAC	+ 3TT	rcc	GAAC	SAT	AGG(	 GTC	 GCT	GTA	GCG(	 CA	 CCT	CAC	CCT	CTC	GTT.	ACC	GTCG Q P	
c	541	CGGA(	CTT	+ GTT(	GAT	CTT	CTG	F	CGG	 AGG	GCA	CGA	CT	GAG	GCT	GCC	GAG	+·· Gλλ	GAA	CTCT GGAGA L Y	600
c	601	TGTC	 GTT	- · + CGA	 GTG	GCAG	CTC	+ GTT(	CTC	 GTC	CAC	CGT	 CGT	+ 222	CTI	GCA	GAA	+ GAG	TAC	CTCCG + GAGGC S V	660
c	661	ACTA	···	+ ACT	CCG	AGA(	CGT	+ GTT(	GGT	GAT	·+· GTG	CGT	CTI	CTC	GGA	GAG	GGA	+ CAG	AGG	GGGTA CCCAT G K	720
c	721	TTCC	ACC	··+ TCC	ACC	ACC	ATA	+ - · GCT	TCC	AGG	·+· CTG	AGA	CGC	AGI	CAC	CGA	CCG	ACG	AGC	TGCTG ACGAC A	180
C	781	CACC	ACC	+ TCC	ACC G	GCC G	GCC	+·· TCC	 Ata	ACT	CCC	GGG	TTC	GG.	MG	GG1	TAC	CGA	ACG	AGCAC TCGTC A F	. 840
						amH		<b></b>													

GCGCATAATCTCGAGGATCCG 841 ····+ 861 CGCGTATTAGAGCTCCTAGGC

C

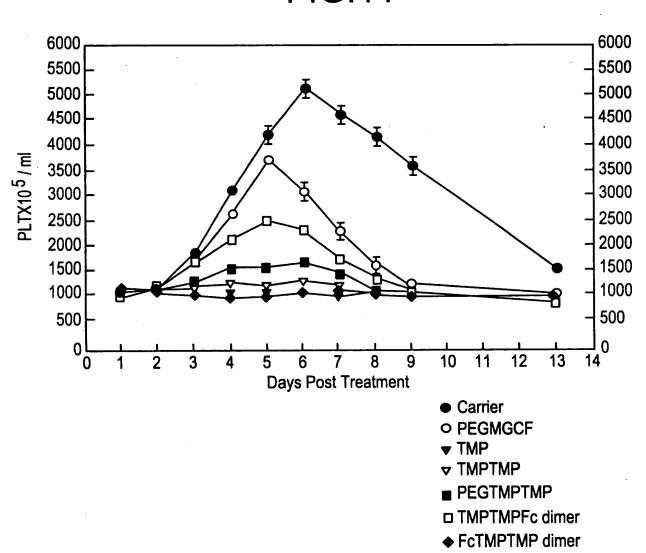
#### FIG. 9

		XbaI								•	•		•									
		TCTA	GAT	rtg:	rrr:	TAAG	CTA	ATT!	<b>LAA</b> C	GAC	GA	\TA/	ACA:	rat(	GAT	CGA.	AGG'	rcc	GAC'	гстс	c	
	1	AGAT	• • •	+	• • •		+	<b>+</b> ·	· · · ·	• • • •	+-	· · · ·	· • •	+				<b>+</b>			+	60
C																			_	L	-	•
	61	GTCA	• • •	+		<b></b> .	4	<b>+</b> ·			+-			• • +				+			+	120
C		CAGT																		P		-
	121	CCCT																				180
c		GGGA L	AGC(	_		CGA/ L															'A C	-
	181	GTCC																				240
c	101	CAGG		AAC	GGT	rcg	rggi	ACT	rga(	GAC	ccc	CCC	rgg	CAG'	TCA.	AAA	GGA	GAA				
		AACC																				
c	241	TTGG		CCT	GTG		STAC	CTAC	BAGO	GCC	TG	GGG/	\CT(	CCA	GTG	TAC	GCA	CCA	CCA		C	
•		TGAG		_	_			_	_						_					_		
	301	ACTC	GGT	GCT:	CTC	GGG/	ACTO	CCAC	STTC	CAAC	TT	GACC	CAT	GCA	CCT	GCC	GCA	CCT	CCA	CGTA	T	
C		S	H Caa		_	-	-												٠		א	•
	361	_	• • •	+			+	+	· · · ·		+-			+				+			+	420
C			K							Q				-					·s		L	•
	421	TCAC		+				+			- +			+	· · ·			+	·		+	480
C																				N		•
	481	AAGC		+				+			+-		<i>-</i>	+	<b></b>	· · ·		+••			+	540
C			L																		P	•
	541			+	• • •			÷			- + -			• •+			· · ·	+	• • •		+	600
c		GTGT Q																		GGAC L		•
	601	CCTG	CCT	GGT\	CAA	AGG	CTT	CTA	rcc	CAG	CGA(	CAT	CGC	CGT ··+	GGA	GTG 	GGA	GAG +	CAA	TGGG	C +	660
c		GGAC C																		ACCC G		•
	661	AGCC	GGA	GAA	CAA	CTA	CAA	GAC	CAC	GCC:	rcc	CGT	GCT	GGA	CTC	CGA	CGG	CTC +	CTT	CTIC	:C	720
c		TCGG	CCT	CTT	CTT	GAT	GTT	CTG	STG	CGG	AGG	GCA	CGA	CCT	GAG	CCT	GCC	GAG	GAA	GAAC P	:G	
	721	TCTA	CAG	CAA	GCT	CAC	CGT	GGA	CAA	GAG	CAG	GTG	GCA	GCA	GGG	GAA	CGT	CTT	CTC	ATG	T	780
c	/21	AGAT	GTC	GTT(	CGA	GTG	GCA(	CCT	GTT	CTC	GTC	CAC	CGT	CGT	CCC	CTT	<b>GCA</b>	GAA	GAG	TAC(	ìλ	
		CCGT	САТ	GC A'	TGA	GGC'	rcre	GCA	CAAC	CCA	CTA	CAC	GCA	GAA	GAG	ССТ	CTC	ССТ	GTC	TCC	3G	
c	781	GGCA	CTA	CGT	ACT	CCG	AGA	CGT	GTT	GGT	GAT	GTG	CGT	CTT	CTC	GGA	GAG	GGA	CAG	AGG(	:C	
<u>.</u>				n. mHI		a	_		••		-	-	=	- <b>-</b>	-	_	-	_	-			
	041	GTAA					Q S E															
c	941	CATT	TAT				J J J															
_		~~																				

#### FIG 10

		KbaI									1,	<u>ں</u> .	1	1 (	J							
	1	TCTA																		TCT		60
c	-	AGAT													CTA	GCT	TCC		CTG	AGA		•
	61	GTCA																				120
с		CAGT	CAC																	AGG' P		
	121	CTTG		+				+			-+-	• • • ·		+		· · ·		+			- +	180
С		GAAC																		TGG P		•
	181	AGGA		+	· · ·	· · ·		+			-+-	• • • ·	• • •	+				+			-+	240
c		D	T	L	M	I	3	R	T	P	E	V	T	С	V	V	V	D	V	3	Н	•
	241	ACGA TGCT		+		• • •	• • •	+		• • •	-+-			+			• • •	+			<b>. +</b>	300
c		E AGAC			_			-			_			_						እ ፕልሮ		•
	301	TCTG		+ CGG	 CGC	CCT	CCT	+·· CGT	CAT	GTT	-+- GTC	GTG	CAT	··+ GGC	ACA	CCA	GTC	+ :GC/	\GGA	GTG	GC	
C		T TCCT	K					_												T		•
	361	AGGA	CGT	+ GGT	CCT	GAC	CGA	+··	ACC	GTT	-+- CCT	CAT	 GTT	CAC	GTT	CCA	GAG	GTI	GTI	TCG	GG	
С		TCCC	AGC	- ccc	CAT	CGA	GAA	AAC	CAT	CTC	CAA	AGC	CAA	AGG	GCA	GCC	ccc	BAGA	LACC	A CACA	GG	
c	421	AGGG		+ GGG	 GTA	GCT	CTT	+ TTG	GTA		-+· GTT	 TCG	 GTT	TCC	CGT	CGG	GGG	TC1	TGC	TGT	-+	480
	481	TGTA	CAC	CCT	GCC	ccc	ATC	CCG	GGλ	TGA	GCT	GAC	CAA	GAA	CCA	GGT	CAC	CC1	'GAC	CTG		540
c	401	ACAT Y	GTG	GGA	CGG		TAG	GGC		ACT	CGA		GTT	CTT	GGT	CCA	GT	:GG#	CTC		GG	
	541	TGGT		+				+			-+-	• • •		+			• • •	+- •	• • • •		-+	600
c		ACCA V	GTT K	TCC G	GAA P	GAT Y	'AGG P	GTC S	GCT D	'GTA I	GCG A	GCA( V	CCT	W W	E E	CTC S	GT N	CACC G	CG7	P P	E E	•
	601	AGAA TCTT		+				+			-+-			+			• • •	-+-	• • •	• • • •	-+	660
c		N	N	Y	K	T	T	P	P	V	L	D	S	D	G	3	F	F	L	Y.	3	•
	661	GCAA CGTT	CGA	GTG	GCA	CCT	GTI	+	GTC	CAC	CGT	CGT	ccc	CTI	GC1	\GAJ	 NGA(	-+- GTA(	CGA	GC)	CT	720
c		K TGCA	L	T	V	D	K	3	R	W	Q	Q	G	N	V	P	3	С	3	V	M	-
	721	ACGT	· · ·	4		CGT	 'GT'I	+-·	GAT	GTG	·+· CGT	CTT	CTC	:GGA	GAG	GG/	ACA	-+- Gag	GCC	CATI	TA	
c		Н	E	A	L	H	N	H	Y	T	Q	K	3	L	3	L	3	Ъ	G	K	•	•
		Вал																				
	781	TTAC		• •	789	•																

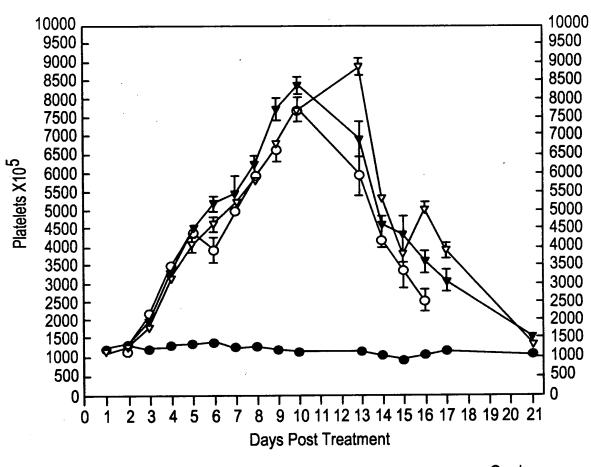
**FIG.11** 



TITLE: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS INVENTORS: FEIGE, et al.

APPLN. NO: A-527C

**FIG.12** 



- Carrier
- o PEG MGDF
- TMPTMPFc dimer
- FcTMPTMP dimer

FIG. 13

	XbaI										· \	•	J								
;	TCTA	GAT	TTG	TTT	TAA	CTA	ATT!	AAA	GGA	GGA	ATA	ACA'	rat •••	GGA	CAA	AAC	TCA:	CAC	ATGT	C +	60
2	AGAT	CTA	AAC	AAA	ATT	GAT'	raa:	rtt	CCT	CCT	TAT	IGT.	ATA M	CCT D	GTT K	TTG T	AGT H	GTG: T	PACA C	G P	
6	CACC 1 GTGC		+		• • -		<b>+</b> ·			-+-			+		· · ·		+			+	120
2	P	С	P	A	P	E	L	L	G	G	Ъ	S	V	F	L	F	P	P	K	P	•
12:	CCAA CGT1		+		• • •		+			-+-	• • •		+				+			+	180
C	K	D	T	L	M	I	3	R	T	P	E	V	T	C.	٧	V	V	D	V	S	•
18:	GCC <i>I</i> 1 CGG1		+				+			-+-			+				+			+	240
C		E		_	_			_	_					_	-	_			N	A	•
24	CCAA 1 GGT1		+		• • •		<b>+</b> ·			-+-			+				+	• • •		+	300
C	K CCG1	T				E		_												T	-
30:	1 ····	· • • •	+		• • •		<b>+</b>		• • •	-+-			+		• • •	• • •	+••	• • •		+	360
С		L		-																A	•
	CCTCC 1 GGG		+				+			-+-			+	• • •	• • •	• • •	+	• • •	• • • •		420
c	L	P	A	P	I	E	K	T	I	S	K	A	K	G	Q	P	R	E	P	Q	•
42	AGGT 1 TCCA		+	· • • •		• • •	+			-+-	· · ·		+			• • •	+	• • •	• • • •	+	480
С	V	Y	T	L	₽	P	3	R	D	E	L	T	K	N	Q	V	S	L	T	С	•
48	GCC1 1 CGG/		+				+		• • •	-+-		`-	+				+	• • •		+	540
C <b>5.4</b>	L CGG/ 1	V AGAA	K CAA	G CTA	F CAA	Y GAC	P CAC	s GCC	D TCC	I CGT	A GCT	V GGA	E CTC	W CGA	E CGG	S CTC	N CTT	G CTT	Q CCTC	P T	-
<b>54</b> .	GCC	CTT	GTI	GAT	GTT	CTG T	GTG	CGG	AGG	GCA	CGA	CCT	GAG	GC1	'GCC	GAG	GAA	GAA	GGA(	X Y	
60	ACAC	СУУ	GCT	CAC	CGT	GGA	CAA(	GAG	CAG	GTG	GCA	GCA	GGG	GAA	CGI	CTI	CTC	ATG	CTC	G +	660
c	TGT	GTT	CGA	GTG	GCA	CCT	GTT	CTC	GTC	CAC	CGT	CGT	CCC	CTI	'GCA	<b>IGAJ</b>	<b>IGAG</b>	TAC	GAG(	C	
56	TGA:	rgca	TG	GGC	TCT	GCA	CAA	CCA	CTA	CAC	GCA	GAA	GAG	CCI	CTC	CCI	GTC	TCC	GGG1	A? +	720
c	ACT	ACGT	CACT	CCG	AGA	CGT	GTT	GGT	GAT	GTG	CGT	CTT	CTC	:GG#	GAC	;GG/	<b>ICA</b> G	AGG	G G	\T	
72	1		4				+			-+-			4			• • • •	+		GGT	+	780
c		CACC	TCC	ACC	ACC	ACC	TCC	ATG	AAT	GAG	AAC	GGT	GA	\GC(	:GGC	3CGI	CTC	AAC	CCA V	W	
									Ban	hHI											
78	GCA 1 ···	AACC	:GC1	AGGG	TGG	TTA	ATC +	TCG	TGC	ATC	:C - 8	12									

CGTTTGGCGTCCCACCAATTAGAGCACCTAGG
K P Q G G \*

C

# FIG. 14

	}	ChaI								Г	1	J.	-	14	r							
	1	TCTA	GAT?	rtg	rrr	raac	TA	ATT!	AAA	GAC	GA	TA	CAT	PAT:	GGG.	AGG'	TAC	TTA	CTC	rtgo	:C	60
;	-	AGATO	CTAI	AC	AAA.	ATTO	SATT	raa7	rtt	CTC	CTI	rati	'GT	ATA	CCC	TCC.	ATG.	AAT	GAG	AACC C	G	
	61		·	+				<b>-</b>			+			+				+		• • • ·	+	120
:		TGAA(				etg <i>i</i> T																-
	121	AAAC?		- +				<b>.</b>		·	+	·		+			• • •	+			+	180
:		T	Н	T	С	P	P	C	P	A	P	E	L	L	G	G	P	3	V	F	L	-
:	181	AGAA	GGG	GG	rrr		TT(	+ CCT(	GTG	GGA	TAC	TAC	GAG	+ GGC	 CTG	GGG	ACT	+	GTG	TAC	÷ C	. – – -
	241	TGGTG	CAC	· · +	GCA(	CTC	GT	GCT	rcty	GGG	+ · ·	CAC	STT	CAA	GTT	GAC	CAT	+ · · · GCA	 CCT	GCC	- + GC	
3	301	TGGAG	GTC	GCA!	raa:	· · · ·	CAA	GAC!	AAA(	CCC	GCG(	GAG	<b>GA</b> (	GCA +	GTA	CAA	CAG	CAC +	GTA	CCG	rg -+	
3		TGGT	CAGO	GTY	CCT	A CAC	CGT	CCT	GCA(	CCAC	<b>GA</b> (	TGC	3CT(	GAA	TGG	CAA	GGA	GTA	CAA	GTG	CA	
=	361	ACCAG	GTC	+ GCA	GGA		GCA	+ GGA(	CGT	GGT	- + - ·	CAC	 CGA	+ CTT	ACC	GTT	CCT	+ Cat	GTT	CAC	· + GT	
3	421	TCCA	 GAG	+ GTT(	 GTT		GGA(	+ GGG'	 TCG	GGG	·+· GTA(	CT	 CTT	··+ TTG	GTA	GAG	GTI	+·· TCG	GTT	TCC	· + CG	
•	481	AGCC:	 GGCʻ	··+ rct	 TGG		CCA	+ Cat	 GTG	GGA	· + · CGG(	GGC	 Tag	+ GGC	CCT	ACT	CGA	+ CTG	GTT	CTT	-+ GG	
•	541	AGGT	CAG	CCT	G <b>A</b> C	CTG	CCT	GGT	CAA	AGG	CTTY - + - GAA	CTA	TCC	CAG	CGA	CAT	CCC	CGT	GGA	GTG CAC	GG · + CC	600
e	601	V AGAG TCTC	CAA	rgg · · · +	GCA		GGA	GAA	CAA	CTA	CAA	GAC	CAC	GCC	TCC	CGI	GCI	GGA	CTC	CGA	CG -+	
C		S	N CTT	G CTT	Q CCT	P CTA	E Cag	N CAA	N GCT	Y CAC	K CGT	T GGA	T CAA	P GAG	P CAG	V GTG	L GCI	D IGÇA	s .GGG	D GAA	CG	
С	661	CGAG	GAA	+ GAA	GGA		GTC	+ GTT	 CGA	GTG	-+- GCA	CCT	GTT	CTC	GTC	CAC	CG1	+ CG1	ccc	CTT	GC	720
	721	TCTT		+ TAC		 CCA	 ርጥል	+ CGT	ACT	CCG	-+- AGA	CGT	GTT	··· GGT	'GAT	GTO	CG	'+··	CTC	GGA	GA	780
C		F	S	С	3	V	M	Н	E	<b>A</b> .	L	H	N	Н	Y	T	Q	K	3	Ĺ	3	-

#### BamHI

CCCTGTCTCCGGGTAAATAATGGATCC
781
GGGACAGAGGCCCATTTATTACCTAGG
L S P G K

C

#### FIG. 15

	XŁ	FIG. 13
	1	TCTAGATTTGAGTTTTAACTTTTAGAAGGAGGAATAAAATATGGGAGGTACTTACT
ъ		AGATCTAAACTCAAAATTGAAAATCTTCCTCCTTATTTTATACCCTCCATGAATGA
	61	CCACTTCGGCCCACTGACTTGGGTTTGCAAACCGCAGGGTGGCGGCGGCGGCGGCGGCGGTGG
ь		GGTGAAGCCGGGTGACTGAACCCAAACGTTTGGCGTCCCACCGCCGCCGCCGCCGCCACC H F G P L T W V C K P Q G G G G G G
	121	TACCTATTCCTGTCATTTTGGCCCGCTGACCTGGGTATGTAAGCCACAAGGGGGTGGGGG  ATGGATAAGGACAGTAAAACCGGGCGACTGGACCCATACATTCGGTGTTCCCCCACCCC
b		TYSCHFGPLTWVCKPQGGGG-
	181	AGGCGGGGGGGACAAAACTCACACATGTCCACCTTGCCCAGCACCTGAACTCCTGGGGGG  TCCGCCCCCCTGTTTTGAGTGTACAGGTGGAACGGGTCGTGGACTTGAGGACCCCCC
ь		G G G D K T H T C P P C P A P E L L G G -
b	241	
	201	TGAGGTCACATGCGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTG
ь	301	ACTCCAGTGTACGCACCACCACCTGCACTCGGTGCTTCTGGGACTCCAGTTCAAGTTGAC  B V T C V V D V S H B D P B V K P N W
	361	GTACGTGGACGCGTGGAGGTGCATAATGCCAAGACAAAGCCGCGGGGAGGAGCAGTACAA  CATGCACCTGCCGCACCTCCACGTATTACGGTTCTGTTTCGGCGCCCTCCTCGTCATGTT
b		Y V D G V E V H N A K T K P R E E Q Y N - CAGCACGTACCGTGTGGTCACCGTCCTGCACCAGGACTGGCTGAATGGCAA
b	421	
	481	GGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTC
b		E Y K C K V S N K A L P A P I E K T I S -  CAAAGCCAAAGGCAGCCCCGAGAACCACAGGTGTACACCCTGCCCCCATCCCGGGATGA
ь	541	
	601	GCTGACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTCTATCCCAGCGACAT 660
b		CGACTGGTTCTTGGTCCAGTCGGACTGGACGACCAGTTTCCGAAGATAGGGTCGCTGTA L T K N Q V S L T C L V K G F Y P S D I
	661	CGCCGTGGAGTGGGAGAGCAATGGGCAGCCGGAGAACAACTACAAGACCACGCCTCCCGT 720 GCGGCACCTCACCCTCTCGTTACCCGTCGGCCTCTTGTTGATGTTCTGGTGCGGAGGGCA
þ		A V E W E S N G Q P E N N Y K T T P P V - GCTGGACTCCGACGCTCCTTCTTCTCTCACAGCAAGCTCACCGTGGACAAGAGCAGGTG
ь ъ	721	CGACCTGAGGCTGCCGAGGAAGAAGGAGATGTCGTTCGAGTGGCACCTGTTCTCGTCCAC L D S D G S F F L Y S K L T V D K S R W
	781	GCAGCAGGGGAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTGCACAACCACTACAC + 840
ь		CGTCGTCCCCTTGCAGAAGAGTACGAGGCACTACGTACTCCGAGACGTGTTGGTGATGTG QQGNVFSCSVMHEALHNHYT
		BamHI
	841	GCAGAAGAGCCTCTCCCTGTCTCCGGGTAAATAATGGATCC

GCAGAAGAGCCTCTCCCTGTCTCCGGGTAAATAATGGATCC
841
CGTCTTCTCGGAGAGGGACAGAGGCCCATTTATTACCTAGG
Q K S L S L S P G K \*

FIG. 16

;	XbaI						ı	ı		,	-	U	,						
. 1	TCTAG																		60
_	AGATC'											ATA	CCT	GTT	TTG	AGT	GTG:		
61	CACCT																		12
••	GTGGA	ACGG	STCG	TGG/	CT	rgac	<b>GA</b> (	CCC	ccc:	rgg	CAG	TCA	AAA	GGA	GAA	GGG	GGG'		
121	CCAAG	CTGT	+ 3GGA	GTAC	TAC	GAGO	GGC	 CTG	-+- GGG/	 ACT	 CCA	+ GTG	TAC	GCA	CCA	+ CCA	CCT	CACT	18
																		v s	
181	CGGTGG	CTTC	rggg.	ACTO	CAC	r	CAAC	GTT	GAC	CAT	GCA	CCT	GCC	GCA	 CCT	+··	CGT	+	24
241	CCAAG	ACAN	AGCC	GCGG	GAC	GAC	CAC	GTA	CAAG	CAG	CAC	GTA	CCG	TGT	GGT	CAG	CGT	CCTCA	,
444	GGTTC	rgtt?	rcgg	CGCC	CTC	CTC	CGT	CAT	GTT(	STC	GTG	CAT	GGC.	ACA	CCA	GTC	GCA		
301			<b></b>						-+=		• • •	+				+		+	36
	GGCAG(																	K A	
361	CCCTCC		<b>-</b>		1	<b></b> -			-+-	·		+			· · ·	+		+	42
	GGGAGC L 1																	P Q	
421	AGGTGT TCCACA	· <b>-</b> 4		• • • •	1				-+-		• • •	• • +	• • •	•		+••		+	48
	V Y													_				T C	
481	CGGAC	AGTT	TCC	GAAG	ATA	\GGG	TC	 GCT	TAC		GCA	+ CCT	CAC	CCT	CTC	+ GTT	ACC	• • • • +	54
541	CGGAGA	4		• • • •	1		• • •		-+-	·		+		• • •	• • •	+	'-	· · · · +	60
		N	Y	K	T	T	P	P	V,	L	D	8	D	G	S	F	F	L Y	•
601	TGTCGT	TCGA	GTG	GCAC	CTC	TTC	TC	 GTC	CAC	GT	 CGT	+ CCC	CTT	 GCA	 GAA	+ GAG	TAC	+	66
661	TGATGO	ATG	\GGC1	CTC	CAC	AAC	CAC	CTA	CAC	SCA(	GAA	GAG	CCT	CTC	CCT	GTC +	TCC	GGGTA	72
	ACTACO M i																	CCCAT G R	
721	AAGGTO	4			4			• • •	-+-	• • •	• • •	+		• • •		+		+	· 78
	G	G	G	G	G	G	T	Y	s	С	H	F	G	P	L	T	W	V C	•
781	CGTTTC	GCG1	rccci	ACCG	CCC	CCC	CCC	GCC	-+- GCC	ACC	 ATG	GAT	 AAG	GAC	AGT	+ 'AAA	ACC	4	· 84
											Bam								
0.41	TGACCT	rGGG1													Q A				

TGACCTGGGTATGTAAGCCACAAGGGGGTTAATCTCGAGGATCC
841
ACTGGACCCATACATTCGGTGTTCCCCCAATTAGAGCTCCTAGG
T W V C K P Q G G \*

C

TITLE: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS

INVENTORS: FEIGE, et al. APPLN. NO: A-527C

#### **FIG. 17A**

[<u>Aat</u>II sticky end] (position #4358 in pAMG21)

- 5' GCGTAACGTATGCATGGTCTCC3' TGCACGCATTGCATACGTACCAGAGG-
- -CCATGCGAGAGTAGGGAACTGCCAGGCATCAAATAAAACGAAAGGCTCAGTCGAAAGACT -GGTACGCTCTCATCCCTTGACGGTCCGTAGTTTATTTTGCTTTCCGAGTCAGCTTTCTGA -
- GGGCCTTTCGTTTATCTGTTGTTTGTCGGTGAACGCTCTCCTGAGTAGGACAAATCCGC CCCGGAAAGCAAAATAGACAACAACAGCCACTTGCGAGAGGACTCATCCTGTTTAGGCG -
- CGGGAGCGGATTTGAACGTTGCGAAGCAACGGCCCGGAGGGTGGCGGGCAGGACGCCCGC GCCCTCGCCTAAACTTGCAACGCTTCGTTGCCGGGCCTCCCACCGCCCGTCCTGCGGGCG -
- CATAAACTGCCAGGCATCAAATTAAGCAGAAGGCCATCCTGACGGATGGCCTTTTTGCGT GTATTTGACGGTCCGTAGTTTAATTCGTCTTCCGGTAGGACTGCCTACCGGAAAAACGCA -

#### <u>Aat</u>II

- -TTCTACAAACTCTTTTGTTTATTTTTCTAAATACATTCAAATATGGACGTCGTACTTAAC--AAGATGTTTGAGAAAACAAATAAAAAGATTTATGTAAGTTTATACCTGCAGCATGAATTG-
- TTTTAAAGTATGGCAATCAATTGCTCCTGTTAAAATTGCTTTAGAAATACTTTGGCAGC AAAATTTCATACCGTTAGTTAACGAGGCAATTTTAACGAAATCTTTATGAAACCGTCG -
- GGTTTGTTGTATTGAGTTTCATTTGCGCATTGGTTAAATGGAAAGTGACCGTGCGCTTAC CCAAACAACATAACTCAAAGTAAACGCGTAACCAATTTACCTTTCACTGGCACGCGAATG -
- TACAGCCTAATATTTTTGAAATATCCCAAGAGCTTTTTCCTTCGCATGCCCACGCTAAAC
   ATGTCGGATTATAAAAACTTTATAGGGTTCTCGAAAAAGGAAGCGTACGGGTGCGATTTG
- GATAATTATCAACTAGAGAAGGAACAATTAATGGTATGTTCATACACGCATGTAAAAATA CTATTAATAGTTGATCTCTTCCTTGTTAATTACCATACAAGTATGTGCGTACATTTTTAT -
- AACTATCTATATAGTTGTCTTTCTCTGAATGTGCAAAACTAAGCATTCCGAAGCCATTAT TTGATAGATATATCAACAGAAAGAGACTTACACGTTTTGATTCGTAAGGCTTCGGTAATA -
- TAGCAGTATGAATAGGGAAACTAAACCCAGTGATAAGACCTGATGATTTCGCTTCTTTAA ATCGTCATACTTATCCCTTTGATTTGGGTCACTATTCTGGACTACTAAAGCGAAGAAATT -
- TTÁCATTTGGAGATTTTTTATTTACAGCATTGTTTTCAAATATATTCCAATTAATCGGTG AATGTAAACCTCTAAAAAATAAATGTCGTAACAAAAGTTTATATAAGGTTAATTAGCCAC -
- AATGATTGGAGTTAGAATAATCTACTATAGGATCATATTTTATTAAATTAGCGTCATCAT TTACTAACCTCAATCTTATTAGATGATATCCTAGTATAAAATAATTTAATCGCAGTAGTA -
- AATATTGCCTCCATTTTTTAGGGTAATTATCCAGAATTGAAATATCAGATTTAACCATAG TTATAACGGAGGTAAAAAATCCCATTAATAGGTCTTAACTTTATAGTCTAAATTGGTATC -
- AATGAGGATAAATGATCGCGAGTAAATAATATTCACAATGTACCATTTTAGTCATATCAG TTACTCCTATTTACTAGCGCTCATTTATTATAAGTGTTACATGGTAAAATCAGTATAGTC -

- GCAAGTTTTGCGTGTTATATATCATTAAAACGGTAATAGATTGACATTTGATTCTAATAA CGTTCAAAACGCACAATATATAGTAATTTTGCCATTATCTAACTGTAAACTAAGATTATT -

TITLE: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS

INVENTORS: FEIGE, et al. APPLN. NO: A-527C

#### FIG. 17B

- ATTGGATTTTTGTCACACTATTATATCGCTTGAAATACAATTGTTTAACATAAGTACCTG
- TAACCTAAAAACAGTGTGATAATATAGCGAACTTTATGTTAACAAATTGTATTCATGGAC -
- TAGGATCGTACAGGTTTACGCAAGAAAATGGTTTGTTATAGTCGATTAATCGATTTGATT -
- -ATCCTAGCATGTCCAAATGCGTTCTTTTACCAAACAATATCAGCTAATTAGCTAAACTAA -
- -CTAGATTTGTTTTAACTAATTAAAGGAGGAATAACATATGGTTAACGCGTTGGAATTCGA-
- -GATCTAAACAAAATTGATTAATTTCCTCCTTATTGTATACCAATTGCGCAACCTTAAGCT -
  - Sacii
- -GCTCACTAGTGTCGACCTGCAGGGTACCATGGAAGCTTACTCGAGGATCCGCGGAAAGAA -
- -CGAGTGATCACAGCTGGACGTCCCATGGTACCTTCGAATGAGCTCCTAGGCGCCTTTCTT-
- -GAAGAAGAAGAAGCCCGAAAGGAAGCTGAGTTGGCTGCCACCGCTGAGCAATA -
- -CTTCTTCTTCTTCGGGCTTTCCTTCGACTCAACCGACGACGGTGGCGACTCGTTAT-
- ACTAGCATAACCCCTTGGGGCCTCTAAACGGGTCTTGAGGGGGTTTTTTTGCTGAAAGGAGG TGATCGTATTGGGGAACCCCGGAGATTTGCCCAGAACCCCCAAAAAAACGACTTTCCTCC -
- AACCGCTCTTCACGCTCTTCACGC 3'
- -TTGGCGAGAAGTGCGAGAAGTG 5

[SacII sticky end]

(position #5904 in pAMG21)

TITLE: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS INVENTORS: FEIGE, et al.

APPLN. NO: A-527C

FIG.18A - 1

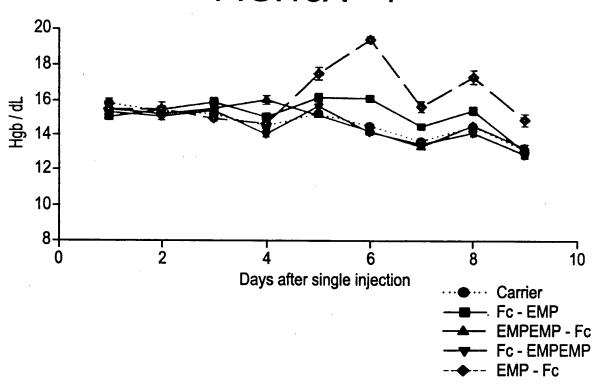


FIG.18A - 2

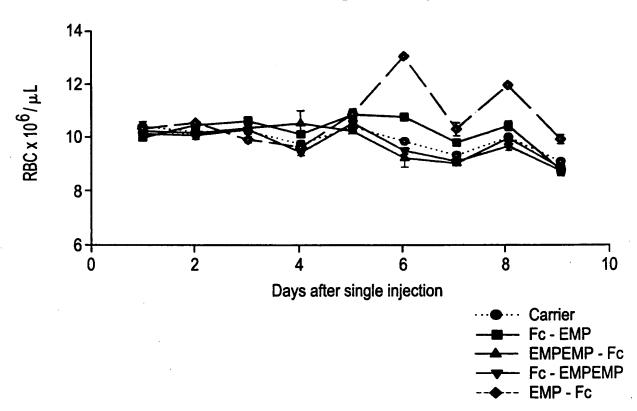


FIG.18A - 3

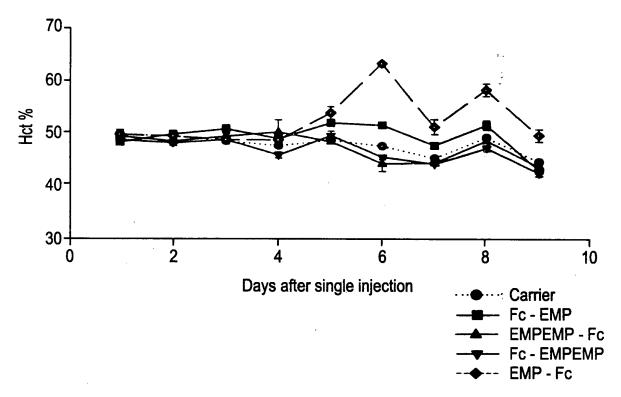


FIG.18B - 1

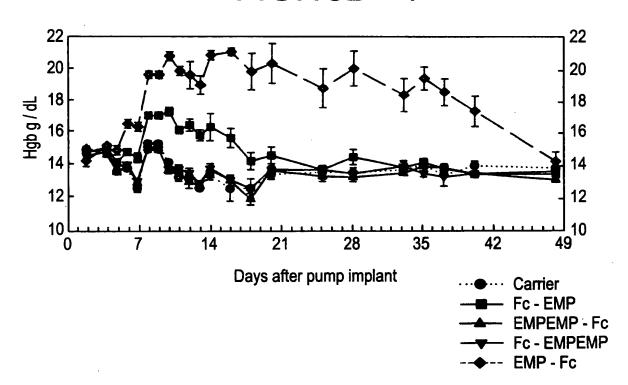


FIG.18B - 2

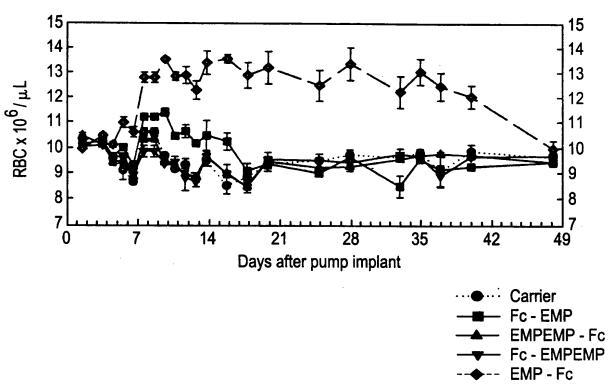
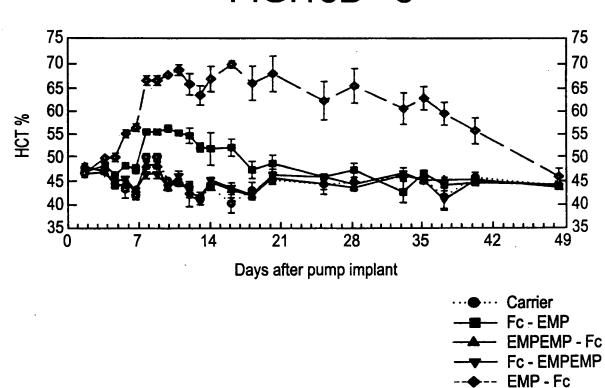


FIG.18B - 3



TITLE: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS

INVENTORS: FEIGE, et al. APPLN. NO: A-527C

#### **FIG. 19A** NdeI CATATGGACAAAACTCACACATGTCCACCTTGTCCAGCTCCGGAACTCCTGGGGGGACCG GTATACCTGTTTTGAGTGTACAGGTGGAACAGGTCGAGGCCTTGAGGACCCCCCTGGC M D K T H T C P P C P A P E L L G G P а TCAGTCTTCCTCTCCCCCAAAACCCAAGGACACCCTCATGATCTCCCGGACCCCTGAG AGTCAGAAGGAGAAGGGGGTTTTGGGTTCCTGTGGGAGTACTAGAGGGCCTGGGGACTC SVFLFPPKPKDTLMISRTPE a GTCACATGCGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTAC 180 CAGTGTACGCACCACCTGCACTCGGTGCTTCTGGGACTCCAGTTCAAGTTGACCATG а V T C V V D V S H E D P E V K F N W Y GTGGACGCGTGGAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACAACAGC 240 CACCTGCCGCACCTCCACGTATTACGGTTCTGTTTCGGCGCCCTCCTCGTCATGTTGTCG V D G V E V H N A K T K P R E E Q Y N S a **ACGTACCGTGTGGTCAGCGTCCTCACCGTCCTGCACCAGGACTGGCTGAATGGCAAGGAG** 241 ------ +----- + 300 TGCATGGCACACCAGTCGCAGGAGTGGCAGGACGTGGTCCTGACCGACTTACCGTTCCTC T Y R V V S V L T V L H O D W L N G K E а TACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAA 301 ------ 360 ATGTTCACGTTCCAGAGGTTGTTTCGGGAGGGTCGGGGGTAGCTCTTTTGGTAGAGGTTT Y K C K V S N K A L P A P I E K T I S K а GCCAAAGGGCAGCCCGAGAACCACAGGTGTACACCCTGCCCCCATCCCGGGATGAGCTG 361 ------ 420 CGGTTTCCCGTCGGGGCTCTTGGTGTCCACATGTGGGACGGGGGTAGGGCCCTACTCGAC A K G Q P R E P Q V Y T L P P S R D E L a ACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTCTATCCCAGCGACATCGCC TGGTTCTTGGTCCAGTCGGACTGGACGGACCAGTTTCCGAAGATAGGGTCGCTGTAGCGG TKNQVSLTCLVKGFYPSDIA а GTGGAGTGGGAGAGCAATGGGCAGCCGGAGAACAACTACAAGACCACGCCTCCCGTGCTG 481 ------ 540 CACCTCACCCTCTCGTTACCCGTCGGCCTCTTGTTGATGTTCTGGTGCGGAGGGCACGAC V E W E S N G Q P E N N Y K T T P P V L а GACTCCGACGCTCCTTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAG 541 -----+ 600 CTGAGGCTGCCGAGGAAGAAGGAGATGTCGTTCGAGTGGCACCTGTTCTCGTCCACCGTC SDGSFFLYSKLTVDKSRW а

# FIG. 19B

	601				-+-			+				+			-+-			+			GCAG + CGTC	660
a		Q	G	N	V	F	s	С	s	v	M	Н	E	A	L	н	N	Н	Y	T	Q	•
	661	••			-+-		• • •	+				+			-+-			+			CTAC GATG	720
a		ĸ	S	L	S	L	s	P	G	ĸ	G	G	G	G	G	D	F	L	P	н	Y	•
											Ва	mHI }										
	721	• •			-+-	TCT		+	· <b>-</b>			+			757	,						
_		v	NT	an a		r	C	u	9	ъ	•											

# FIG. 20A

		N I	deI	•																		
	1	CA	TAT	GGA	CTT	CCI	GCC	GCA						TCT		TCA	CCG	TCC	GGG	TGG	AGGC	60
		GT	ATA	CCT	'GAA	GGA	CGG	CGI	'GAT	'GT'I	TTT	GTO	GAG	AGA	ccc	AGT	GGC	AGG	CCC.	ACC'	rccg	60
a			M	D	F	L	P	Н	Y	K	N	T	S	L	G	Н	R	P	G	G	G	•
	61	GG	TGG	GGA	CAA	AAC	TCA							AGC		TGA	ACT	CCT	GGG	GGG	ACCG	120
		CC	ACC	CCT	GTT	TTG	AGT	GTG	TAC	AGG	TGG	AAC	GGG	TCG	TGG	ACT	TGA	GGA	CCC	ccc	rggc	120
a		G	G	D	K	T	Н	T	С	P	P	С	P	A	P	E	L	L	G	G	P	-
	121				-+-			+				+			-+-			+			TGAG + ACTC	180
a		S	v	F	L	F	P	P	K	₽	K	D	т	L	M	I	s	R	T	P	E	-
		GT	CAC	ATG	CGT	GGT	GGT	GGA	CGT	GAG	CCA	CGA	AGA	ccc	TGA	GGT	CAA	GTT	CAA	CTG	GTAC	
	181	• •		• • •	-+-			+				+			-+-	• <b>-</b> -		+			CATG	240
a	٠	v	T	С	v	v	v	D	v	S	н	E	D	P	E	v	K	F	N	W	Y	-
		GT	GGA	CGG	CGT	GGA	GGT	GCA								GGA	GGA(	GCA	GTA(	CAA	CAGC	
	241													CGG		CCT	CCT	··+ CGT(	CAT	 GTT(	TCG	300
a		v	D	G	V	E	v	Н	N	A	ĸ	T	ĸ	P	R	E	E	Q	Y	N	s	-
	201		GTA													CTG	GCT	GAA!	rgg	CAA	GGAG	
	301		CAT									-		GGT		GAC	CGA	+ CTT/	ACC	STT	CCTC	360
<b>a</b>		T	Y	R	V	v	s	v	L	T	v	L	Н	Q	D	W	L	N	G	K	E	-
	361		CAA	GTG	CAA	GGT	CTC	CAA	CAA	AGC	CCT	ccc	AGC	CCC	CAT	CGA	GAA	AAC	CAT	CTC	CAAA	400
	201		GTT	CAC	GTT	CCA	GAG	GTT	GTT	TCG	GGA	GGG	TCG	GGG	GTA	GCT	CTT	rtg	TAC	BAGO	STTT	420
<b>a</b>	•	Y	ĸ	С	K	V	3	N	ĸ	A	L	P	A	P	I	E	K	T	I	s	ĸ	-
	421		CAA	AGG	GCA	GCC	CCG.	AGA	ACC.	ACA	GGT	GTA	CAC	CCT	GCC	ccc.	ATC(	CCG	GA?	rgac	CTG	400
	421		3TT	TCC	CGT	CGG	GGC	TCT	TGGʻ	TGT	CCA	CAT	GTG	GGA	CGG	GGG'	rag(	GCC	CT	ACTO	GAC	480
3.		A	K	G	Q	P	R	E	P	Q	V	Y	T	L	P	P	S	R	D	E	L	•
	401																				GCC	E 4 0
	401																				CGG	340
à		T	ĸ	N	Q	v	3	L	T	С	L	V	K.	G	F	Y	P	s	D	I	A	-
	541				-+-			+				+			-+-			+ -		. <b></b> .	CTG	600
																					GAC	
3		٧	E	W	E	S	N	G	Q	P	E	N	N	Y	K	T	T	P	P	V	L	-

## FIG. 20B

	601	GA	CTC	CGA	cgg	СТС															GCAG	660
	601	CT	GAG	GCT	GCC	GAG															CGTC	000
a		D	s	D	G	S	F	F	L	Y	S	K	L	T	V	D	K	3	R	W	Q	•
	661		GGG	GAA	CGT	CTT	CTC	ATG	CTC	CGT	'GAT	GCA	TGA	GGC	TCT	GCA	CAA	CCA	CTA	CAC	GCAG	720
	001		CCC	CTT	GCA	GAA	GAG														CGTC	
a		Q	G	N	V	F	S	С	S	V	M	Н	E	A	L	H	N	Н	Y	T	Q	-
											Ba	ımH I										
								TCC				ATC					:1					
	721							AGG				•			•		, 1					
_		v	œ	ŧ.	æ	τ.	9	p	G	ĸ	*											

# FIG. 21A

	Ŋd	leI																				
	1	CAT	ATC	GAC	AA.	AAC'	TCA	CAC	ATG			TTG' +			rcco	GA	CTC	CTG	GGG	GGA		60
	_	GTA	TAC	CTC	STT	TTG	AGT	GTG	TAC.	AGG'	TGG.	AAC	AGG:	rcg	AGGG	CTI	GAG	GAC	CCC	CCT	'GGC	
a			M	D	K	T	н	T	С	P	P	С	P	A	P	E	L	L	G	G	P	•
	<i>-</i> 1		GTC	TTC	CT	CTT	CCC	ccç	AAA	ACC	CAA	GGA	CAC	CCT	CATO	SATO	TCC	CGG	ACC	CCI	GAG	120
	61		CAC	AAC	GA(	GAA	GGG	GGG	TTT	TGG	GTT	CCT	GTG	GGA	GTA(	CTAC	AGC	GCC	TGC	GGA	CTC	120
a		s	v	F	L	F	P	P	ĸ	P	ĸ	D	T	L	M	ı	s	R	T	P	E	-
		GTC	CACA	ATGO	CGT	GGT	GGT	GGA							rga(	GTC	CAAC	STTC	CAAC	TGG	TAC	100
	121	CAG	TGT	CACC	-+- GCA	CCA	CCA	CCT		CTC					ACT	CAC	TTC	AAC	STTC	ACC	CATG	180
a		v	т	С	v	v	v	D	v	s	н	E	D	P	E	v	ĸ	F	N	W	Y	-
		GTG	GAC	CGGC	CGT	GGA	GGT	GCA	TAA.	TGC	CAA	GAC	AAA	GCC	GCG	GGA(	GA(	3CAC	STA(	CAAC	CAGC	
	181				- + -			+				+			-+-	• • •		+ -	• • •		TCG	240
_		17		_	17	E	v	н	N	 A	ĸ	т	ĸ	P	R	E	E	0	Y	N	s	
a		v	D 	G 	v 	_	•					_		_		_	_	•	- דיכיכיני	 - 2 2 (	GGAG	
	241		<b></b> .		-+-			+				+			-+-			+			+	300
		TGC	CATO	GGC1	ACA	CCA	GTC	GCA	LGGA	_		_		_			_				CTC	
a		T	Y	R	V	V	S	V	L	T	V	L	Н	Q	D 	W 	L	N	G 	K	E	•
	301				-+-			+				+			-+-			+			CAAA	360
		ATO	GTT(	CAC	GTT	CCA	GAG	GTI	rgtī	TCG	GGA	GGG	TCG	GGG	GTA	GCT	CTT'	TTG	GTA(	GAG	GTTT	
a		Y	K	С	K	V	S	N	K	A	L	P	A	P	I	E	K	T	I.	S	K	•
	361				- + -							+			-+-			+			GCTG	420
	301	CG	GTT'	TCC	CGI	CGG	GGC	TCT	rtge	TGI	CCA	CAI	GTG	GGA	CGG	GGG	TAG	GGC	CCT	ACT	CGAC	•
a		A	K	G	Q	P	R	E	P	Q	V.	Y	T	L	P	P	S	R	D	E	L	•
		AC	CAA	GAA	CCA	\GG1		CC	rgac	СТС	CC1	rggi	CAA	AGG	CTT	CTA	TCC	CAG	CGA	CAT	CGCC	480
	421	TG	GTT	CTT	GGI	CCA			ACTO	GAC	:GG#	ACC	\GT1	TÇC	GAA	GAT	AGG	GTC	GCT	GTA	GCGG	
a		T	K	N	Q	v	s	L	T	C	L	v	K	G	F	Y	P	s	· <b>D</b>	I	A	٠
		GT	GGA	GTG	GG?	AGAC	CA	ATG	GGC <i>i</i>	AGC	:GG/	AGAJ	ACA	CTA	CAA	GAC	CAC	GCC	TCC	CGT	GCTG	540
	481				- 4 -				+			- +			· <b>- +</b> -						CGAC	340
a																					L	
•								ירחי	ፐርር	ኮርጥ	ACAG	GCA	AGC1	rcac	CGI	'GGA	CAA	GAG	CAG	GTG	GCAG	}
	541								+			- +			+ -						CGTC	000
_									L							D					Q	
a		U			9	•	-	•		-	_		_									

### FIG. 21B

	601				-+-			+			<b>-</b>	+			-+-			+			GCAG + CGTC	660
a		Q	G	N	v	F	s	С	s	V	M	н	E	A	L	н	N	Н	Y	T	Q	-
	661				-+-			+				+			-+-		• • •	+			GGGT + CCCA	720
a		K	S	L	S	L	S	P	G	K	G	G	G	G	G	F	E	W	T	P	G	-
												mHI 										
	721				-+-			+				+	GAT CTA		-+-		763					
a		Y	W	Q	P	Y	A	L	P	L	*											

# FIG. 22A

		No	leI																			
	1	CAT	TATO	GTT	CGA	ATG	GAC	ccc	GGG	TTA	CTG	GCA	GCC	GTA	CGC'	TCT	GCC	GCT(	GGG'	rgg	AGGC	60
		GT?	ATA	CAA	GCT	TAC	CTG	GGG	CCC	AAT	GAC	CGT	CGG	CAT	GCG.	AGA	CGG	CGA	CCC	ACC'	rccg	
a			M	F	E	W	T	P	G	Y	W	Q	P	Y	A	L	P	L	G	G	G	-
	61				-+-			+				+			-+-			+			ACCG	120
		CCI	ACC	CCT	GTT	TTG	AGT	GTG	TAC	AGG	TGG	AAC	GGG	TCG	TGG.	ACT	TGA	GGA	CCC	CCC'	TGGC	
a		G	G	D	K	T	Н	T	С	P	P	С	P	A	P	E	L	L	G	G	P	•
	121				-+-			+				+			-+-			+			TGAG + ACTC	180
a		S	17	E.	<b>T</b> .	F	P	P	ĸ	P	к	D	т	L	м	I	s	R	т	P	E	
a			~ ~		- <u>-</u>	_	_	_		-			_	_		_	-		•	_	_	
	181				-+-			+				+			-+-			+			GTAC + CATG	240
a		v	T	С	v	v	v	D	v	s	Н	E	D	P	E	v	ĸ	F	N	W	Y	•
	241				-+-			+				+			-+-			+			CAGC + GTCG	300
a		v	D	G	v	E	v	н	N	A	ĸ	т	ĸ	P	R	E	E	Q	Y	N	s	-
•	301	•	_		TGI	_	CAC	CGI													GGAG	360
	301	TG	CAT	GGC	ACA	CCA	GTC	GCA													CCTC	
a		т	Y	R	v	v	s	v	L	T	v	L	Н	Q	· D	W	L	N	G	K	E	•
	361				-+-	. <b></b> -		4				+			-+-			+			CAAA GTTT	420
a		Y	K	С	K	v	s	N	ĸ	A	L	P	A	P	I	E	K	T	I	s	K	-
	421				-+-				<b></b>		· ·	+			-+-			+			GCTG + 'CGAC	480
																					L	
a							ቦሮ ል (	זרריי	rga(	CTC	GC:	rggi	rca <i>i</i>	AAG	CT1	CTA	TCC	CAG	CG#	CAT	CGCC	
	481	TG	GTI	CTI	rgg1	 rcc <i>i</i>	AGT(	GG	ACT(	GGA(	CGG	ACC <i>i</i>	AGT	TC	GA.	\GA7	AGO	GTC	GC1	GTA	GCGG	540
a		т	к	N	Q	V	s	L	т	С	L	v	ĸ	G	F	Y	P	s	D	ı	A	-
	541								+			-+-			+ ·	• • • •		4			CGAC	. 600
_																						
a		v	E.	77	-	3	7.4	•	~		_			-		_						

# FIG. 22B

	601	GA																			GCAG	660
	001	CT																			CGTC	000
a		D	s	D	G	s	F	F	L	Y	S	K	L	T	V	D	K	s	R	W	Q	-
	661				-+-	- ; -		+				+			-+-			+			GCAG + CGTC	720
a	•	Q	G	N	V	F	s	С	s	V	M	H	E	A	L	H	N	Н	Y	T	Q	•
											Ва	ımH I	•									
	721				-+-			+	GGG CCC			+	- <b></b>		757	,						
3		ĸ	q	τ.	9	t.	g	P	G	ĸ	*											

# FIG. 23A

	No	leI																				
	1				+-			+				GTG(			+	· ·		- + -		• • •	+	60
		GTA		_						_		CAC						JAĐ				
a			M	D	K	Т	н	Т	С	P	P	С	P	A	P	E	L	L	G	G	Þ	•
	61		· • • ·		+-			+				GGA + CCT			• <b>+</b> • ·	. <b></b> .		- + -			+	120
a		s	v	F	L	F	P	P	K	P	ĸ	D	T	L	M	I	s	R	T	P	<b>E</b> ,	-
		GTO	CAC	ATG	CGT	GGT	GGT	GGA	CGT	GAG	CCA	CGA	AGA	ccc	rga(	GT(	CAAC	3TTC	CAAC	TGG	TAC	
	121		GTG:	rac	- + - GCA(	CCA	CCA	+ CCT4	GCA	CTC	GGT	+ GCT'	TCT(	GGG	ACT(	CCA	GTT(	CAA	STTC	BACC	ATG	180
a		v	т	c	v	v	v	D	v	s	н	E	D	P	E	v	ĸ	F	N	W	Y	
_		CTTC	- 	ree	് വവസം	CCA	-	CC N	ጥልል፡	ייכרי	ממי	GAC	<b>A A A</b> (	ac c	ברני	CA(	CA N	ZC A (	<b>ደጥል</b> (	אמי	CAGC	
	181				-+-			+				+			-+-			+			+	240
		CAC	CCT	GCC	GCA(	CCT	CCA	CGT.	ATT.	ACG	GT T	CTG	1"1"1"	الحالحات				CGT	JATO		TCG	
a		V	D	G	V	E	V	Н	N	A	K	T	K	P.	R	E	E	Q	Y	N	S	•
	241	ACC	GTA(	CCG	TGT	GGT	CAG	CGT	CCT	CAC	CGT	CCT	GCA	CCA	GGA(	CTG	GCT(	GAA?	rgg	CAAC	GAG	300
		TG	CAT	GGC	ACA	CCA	GTC	GCA	GGA	GTG	GCA	GGA	CGT	GGT	CCT	GAC	CGA	CTT	ACC	STTC	CTC	
a		T	Y	R	v	V	s	V	L	T	V	L	н	Q	D	W	L	N	G	K	E	•
	201	TAG	CAA	GTG	CAA	GGT															CAAA	360
	301	ATO	GTT(	CAC	GTT	CCA															TTT	300
a		Y	ĸ	С	ĸ	v	s	N	ĸ	A	L	P	A	P	I	E	ĸ	T	I	s	ĸ	•
																					CTG	
	361											CAT									CGAC	420
a		A	K:	G	Q	P	R	E	P	Q	v	Y	T	L	P	P	s	R	D	E	L	<b>-</b> .
		AC																			cecć	400
	421	TG										.CCA									GCGG	480
a		т	ĸ	N	0	v	S	L	т	С	L	v	ĸ	G	F	Y	P	s	D	I	A	•
~		_			_																GCTG	
	481				-+-			+				+		• • •	-+-			+			CGAC	540
a		•																			L	
	541				-+-			+				+			-+-			+			GCAG	000
		CT	GAG	GCT	'GCC	GAG	GA	\GAA	\GGA	GAT	GTC	CGTI	CGA	GTG	<b>IGCA</b>	CCI	'GT'I	CTC	GTC	CAC	CGTC	
a		D	s	D	G	S	F	F	L	Y	S	K	L	T	V	D	K	S	R	W	Q	•

# FIG. 23B

المطالبة

	601	CA	GGG	GAA	CGT	CTT	CTC	ATG	CTC	CGI	'GA'I	'GCA	TGA	GGC	TCT	'GCA	CAA	CCA	CTA	CAC	GCAG	
	001																				CGTC	
a		Q	G	N	V	F	S	С	s	V	M	Н	E	A	L	Н	N	н	Y	T	,Q	•
	661				-+-	• • •		+	·			+			-+-			+			TGAC	720
a		K	s	L	S	L	s	P	G	K	G	G	G	G	G	V	E	P	N	С	D	-
																_	amH	Ī				
	721	• •			-+-			+				TGA + ACI			-+-			+		77	3	
a		I	н	v	M	W	E	W	E	С	F	E	R	L	*							

### FIG. 24A

	Nd	leĮ																				
	1	CAT	ATO	GT'	rga.	ACC	GAA	CTG'			CCA			TGO	GA.	ATGO	GAA	TGT	TTT	'GAA	CGT	60
		GTA	TAC	CA	ACT'	TGG	CTT	GAC.	ACT	GTA(	GGT	ACA	ATAC	CAC	CTI	racc	CTI	'AC	<b>LAA</b>	CTI	GCA	
a			M	V	E	P	N	С	D	I	Н	v	M	W	E	W	E	С	F	E	R	•
	<b>61</b>	СТС	GG?	rgg	rggʻ	TGG	TGGʻ	TGA											ACC	rga <i>a</i>	CTC	120
	61	GAC	CCZ	ACC	ACC.	ACC	ACC.	ACT								CAC			rgg <i>i</i>	ACTI	GAG	120
a		L	G	G	G	G	G	D	K	т	н	т	С	P	P	С	P	A	P	E	L	-
		CTC	GG	GGG	ACC	GTC	AGT	ттт	CCT	CTT	CCC	CCC	AAA	ACC	CAA	GGA	CAC	CT	CATO	<b>SAT</b> C	CTCC	
	121	GAC	CCC	ccc'	- + - TGG	 CAG	TCA	+ AAA	GGA	GAA	GGG	+ GGG'	 TTT	 TGG	- + - GTT(	CCT	TG(	+ GGA(	GTA	CTAC	GAGG	180
a		L	G	G.	P	s	v	F	L	F	P	P	ĸ	P	ĸ	D	T	L	м	I	S	-
•		_	-		-	_	CAC	-	ርርጥ	- ርርጥ	CGT:	GGA	ርርጥ የ	GAG	CCA	CGA	AGA	CCC	rgad	GGT(	CAAG	
	181				-+-			+				+			-+-			+			TTC	240
			TG	_	_			_				_				_	_	_	_			
a		R	T	P	E	V	Т	С	V	V	V	D	<b>V</b>	S	H 	E	D	P 	E 	V 	K	•
	241				-+-			+				+			-+-			+			GGAG	300
		AAC	TT	GAC	CAT	GCA	.CCT	GCC	GCA	ССТ	CCA	CGT.	ATT.	ACG	GTT(	CTG	rtt	CGG	CGC	CCT	CCTC	
a		F	N	W	Y	V	D	G	V	E	V	Н	N	A	K	T	K	P	R	E	E	•
		CAC	TA	CAA	CAG	CAC	GTA	CCG	TGT	GGT	CAG	CGT	CCT	CAC	CGT	CCT	GCA	CCA	GGA	CTG	GCTG	
	301				-+-			+				+			-+-			+		•	CGAC	360
a.		0	Y	N	s		Y		v				L		v	_	н	Q	D	W	L	-
a		-	_	-	-	_					_				-		AGC	- ccc	CAT	CGA	GAAA	
•	361				-+-			+				+			-+-			+			+ CTTT	420
														_	_		_	p p	I	E	K	
a		N	_		E	_		С		V	S	N	K	A	L	P	A 	_	_	_		
	421				-+-			+				+			-+-			+			ATCC	480
																					TAGG	
a		T	I	S	K	A	K	G	Q	P	R	E	P	Q	V	Y	T	L	P	P	S	•
	401	CG	GGA	TGA	GCI	'GAC	CA	GAZ	CCA	GGT	CAG	CCI	GAC	CTG	CCT	'GGT	CAA	AGG	CTT	CTA	TCCC	540
	401	GC	CCT	ACT	'CGA	CTC	GT1	rcti	rggi	CCA	GTC	GGA	CTG	GAC	GGA	CCA	GTT.	TCC	GAA	GAT	AGGG	
a		R	D	E	L	Ť	ĸ	N	Q	V	s	L	T	С	L	V	K	G	F	Y	P	-
		AG	CGA	CAI	CGC	CG	rgg <i>i</i>	AGTO	GG#	\G <b>A</b> (	CAA	\TG0	GCA	GCC	:GGA	GAA	CAA	CTA	CAA	GAC	CACG	600
	541	TC	GCT	GTA	GCC	GC1	ACC	CAC	CCC	CTC	GTI	CACC	CGT	CGC	CCI	CTI	GTI	'GA'I	GTI	CTG	GTGC	
a		S	D	I	A	v	E	W	E	s	N	G	Q	P	E	N	N	Y	K	T	T	-

### FIG. 24B

	601	CC	TCC	CGT	GCT	GGA	CTC														CAAG	660
		GG	AGG	GCA	.CGA	CCT	GAG	GCT	'GCC	GAG	GAA	GAA	GGA	GAT	'GTC	GTI	CGA	.GTG	GCA	CCT	GTTC	
ì		P	P	٧	L	D	S	D	G	S	F	F	L	Y	S	K	L	T	V	D	K	•
	661				-+-			+				+			-+-			+	• • •	• • •	CAAC	
		TC	GTC	CAC	CGT	CGT	CCC	CTI	'GCA	GAA	GAG	TAC	GAG	GCA	CTA	.CGT	ACT	CCG	AGA	CGT	GTTG	
1		S	R	W	Q.	Q	G	N	V.	F	S	С	S	V	M	H	E	A	L	Н	N	•
																	amH	1				
	721				-+-			CCT GGA				+			-+-			+		77	3	
ì		н	Y	T	Q	K	s	L	s	L	s	P	G	K	*							

### FIG. 25A

	No	leĮ																			
	1	CATA	ATGGA	CAA	AAC	TCA		ATG'				TCC	AGC'	TCC	GGA	ACT	CCTC	GGG	3GG <i>I</i>	ACCG	60
		GTA?	PACCI	GTT	TTG	AGT	GTG	TAC.	AGG'	TGG.	AAC.	<b>AGG</b>	TCG	AGG	CCT	<b>TGA</b> (	GGA(	ccc	cca	rggc	
a		P	4 D	K	T	Н	T	С	P	P	С	P	A	P	E	L	L	G	G	P	-
	61	TCA	STCTI	CCT	CTT	ccc		<b>AAA</b>						CAT	GAT	CTC	CCG	GAC	CCC		120
	01		CAGAA	AGGA	.GAA	.GGG								GTA	CTA	GAG	GGC	CTG	GG/		120
a		s v	J F	L	F	P	P	K	P	K	D	T	L	M	I	s	R	T	P	E	•
	121		ACATO												GGT	CAA	GTT	CAA	CTG		180
	121		rgtac	•			•							•	CCA	GTT	CAA	GTT(	GAC		100
<b>a</b>		V :	r c	V	v	V	D	v	S	н	E	ā	P	E	v	ĸ	F	N	W	Y	•
	101		GACGO														GCA	GTA(	CAA	CAGC	240
	181		CTGCC	•							-						CGT	CAT	<b>GTT</b> (	STCG	240
a		v I	o G	v	E	v	н	N	A	K	T	K	P	R	E	E	Q	Y	N	S	-
		ACG!	racce	STGT	'GGT	CAG	CGT	CCT	CAC	CGT	CCT	GCA	CCA	GGA	CTG	GCT	GAA'	rgg	CAA	GGAG	200
	241	TGC	ATGGC	CACA	CCA	GTC	GCA	GGA	GTG	GCA	GGA	CGT	GGT	CCT	GAC	CGA	CTT	ACC	GTT	CCTC	300
a		T	Y R	v	v	s	v	L	T	V	L	Н	Q	D	W	L	N	G	K	E	-
	201		AAGTO	CAA	GGT	CTC	CAA	CAA	AGC	CCT	ccc	AGC	CCC	CAT	CGA	GAA	AAC	CAT	CTC	CAAA	360
	301		TTCAC	GTI	CCA	GAG	GTT	GTT	TCG	GGA	GGG	TCG	GGG	GTA	GCT	CTT	TTG	GTA	GAG	GTTT	300
a		Y	K C	K	v	s	N	K	A	L	P	A	P	I	E	K	T	I	S	K	-
	261		AAAGO	3GCA	GCC	CCG	AGA													GCTG	420
	361	CGG'	TTTC	CGI	CGG	GGC	TCT														120
a		A :	K G	Q	P	R	E	P	Q	v	Y	T	L	P	P	S	R	D	E	L	-
	421		AAGA																	CGCC	480
	421		TTCT																	GCGG	
a		T	K N	Q	v	S	L	T	С	L	V	K	G	F	Y	P	s	D	I	A	•
			GAGT	GGG#	<b>IGA</b> G	CAA	TGG	GCA	GCC	GGA	GAA	CAA	CTA	CAA	GAC	CAC	GCC	TCC	CGT	GCTG	540
	481	CAC	CTCA	CCCI	CTC	GTI	ACC	CGT	CGG	CCI	CTT	GTI	GAT	GTI	CTG	GTG	CGG	AGG	GCA		340
a		v	E W	E	S	N	G	Q	P	E	N	N	Y	K	T	T	P	P	V	L	•
			TCCG	ACGO	3CTC	CTI	CTI	CCI	CTA	CAG	CAA	GCI	CAC	CGI	GGA	CAA	GAG	CAG	GTG	GCAG	600
	541	CTG	AGGC'	TGC	GAC	GAA	GA	\GGA	GAT	GTC	GTI	CGA	GTG	GCA	CCI	GTT	CTC	GTC	CAC		
a .		D	S D	G	s	F	F	L	Y	s	К	L	T	v	D	K	s	R	W	Q	-

## FIG. 25B

	601	• •			-+-			+				+			-+-			+			GCAG + CGTC	660
a		Q	G	N	V	F	s	С	s	V	M	Н	E	A	L	Н	N	н	Y	T	Q	•
	661				-+-			+		٠		+			-+-			+			GGGT CCCA	720
A		K	s	L	Š	L	3	P	G	K	G	G	G	G	G	C	T	T	Н	W	G	•
	721				-+-	CTA		GAT		CTCC		748							•			
a		F	T	L	С	*												•				

# FIG. 26A

	No	leI																				
	1	CAT	ATC	STG	CAC	CAC	CCA	CTG	GGG'	TTT	CAC	CCT(	GTG	CGG1	rgg <i>i</i>	AGGC	GGT	rgg(	GAG	CAA	AGGT	60
		GTA	TAC	CAC	GTG	GTG	GGT	GAC	CCC.	AAA	GTG	GGA(	CAC	GCC/	ACCI	rcco	3CC	ACCO	CTC	3TT7	CCA	
a			M	С	T	T	Н	W	G	F	Т	L	С	G	G	G	G	G	D	K	G	•
	61				-+-			+				+			- +	<b></b> -		+ -			GGG CCCC	120
a		G	G	G	G	D	ĸ	Т	Н	T	С	P	P	С	P	A	P	E	L	L	G	•
	121				-+-			+				+			-+-			+			GACC + CTGG	180
a		G	P	S	Ţ	F	L	F	P	P	K	P	K	D	T	L	M	I	3	R	T	-
	181				-+-			+	· • •			+	· · ·		-+-	• • •		+	• • •		CAAC + GTTG	240
a		P	E	v	T	С	v	V	v	D	V	s	Н	E	D	P	E	v	K	F	N	-
	241				-+-			+				+			-+-			+			GTAC + CATG	300
a		W	Y	v	D	G	v	E	v	Н	N	A	ĸ	T	ĸ	P	R	E	E	Q	Y	-
	301				-+-			4				+			-+-			+			TGGC + ACCG	360
a		N	S	T	Y	R	V	V	s	V	L	T	V	L	H	Q	D	W	L	N	G	-
	361				-+-			+	CTC AGAG			+			-+-			+	CTT	AAC	CATC + GTAG	420
a		ĸ	E	Y	K	С	K	V	s	N	K	· <b>A</b>	L	P	A	P	I	E	K	T	I	•
	421				-+-				<b>-</b>			. +	. <b></b>		-+-			+			GGAT CCTA	480
a		3	ĸ	A	K	G	Q	P	R	E	P	Q	V	Y	T	L	P	P	Š	R	D	•
	481				4 .				+			- +			-+-						CGAC GCTG	240
a		E.	L	T	K	N	Q	V	s	L	т	С	L	V	K	G	F	Y	P	3	D	•
	541					_									+ -			7			TCCC AGGG	000
а																					P	

## FIG. 26B

	601				-+-			+				+			-+-			+			CAGG + GTCC	660
a		v	Ł	D	s	D	G	s	F	F	L	Y	s	K	L	T	v	D	K	S	R	•
	661				-+-			+				+			-+-			+			CTAC GATG	720
a		W	Q	Q	G	N	V	F	s	С	S	v	M	Н	E	A	L	Н	N	н	Y	•
	721				-+-			+				+	ATA	I Hmu     TAA	GAT		763	ŀ				
а		т	o	к	s	L	s	L	s	P	G	ĸ	*									